

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("5472017").PN.	USPAT; USOCR	OR	OFF	2009/07/19 14:11
L2	4	((("5472017") or ("5255668") or ("6450948") or ("5507725")).PN.	USPAT; USOCR	OR	OFF	2009/07/19 14:28
L3	5	((("5472017") or ("5255668") or ("6450948") or ("5507725") or ("7090637")).PN.	USPAT; USOCR	OR	OFF	2009/07/19 14:30
L4	33	("20020156497"   "20020177750"   "20030036748"   "20030050649"   "20030078644"   "20030108888"   "20030149338"   "20030229271"   "20040138700"   "3557780"   "4489826"   "4700693"   "5271381"   "5297443"   "5441494"   "5522788"   "5716352"   "5807376"   "5813813"   "5873817"   "5899425"   "5916146"   "5916147"   "5938678"   "6161543"   "6270453"   "6471696"   "6491626"   "6743239"   "6746443"   "6764445"   "6817972"   "RE38335"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/19 14:31
S1	211	(604/95.01).CCLS.	USPAT; USOCR	OR	OFF	2006/09/26 12:04
S2	3270	((604/95.04) or (604/264) or (604/523) or (604/164.13) or (604/165.02) or (604/525) or (604/528) or (604/95.04)).CCLS.	USPAT; USOCR	OR	OFF	2007/09/18 14:28

S3	52	S2 and steer\$3 and wire and stiff\$3 and member and anchor\$3 and handle	USPAT	OR	OFF	2006/09/26 12:05
S4	827	((604/95.04) or (604/264) or (604/523) or (604/164.13) or (604/165.02) or (604/525) or (604/528) or (604/95.01) or (604/95.02) or (604/100.01) or (604/164.01)).OCLS.	US-PGPUB	OR	OFF	2006/09/26 12:35
S5	3	S4 and wall and lumen and aperture and steering and wire and stiffening and member and anchoring and handle.clm.	US-PGPUB	OR	OFF	2006/09/26 12:36
S6	61	("3470876"   "4586923"   "4664113"   "4719924"   "4723936"   "4757827"   "4898577"   "4906230"   "4920980"   "4934340"   "4960411"   "5030204"   "5114403"   "5114414"   "5125896"   "5199950"   "5231989"   "5318525"   "5336182"   "5342299"   "5363861"   "5368564"   "5381782"   "5391146"   "5395327"   "5409483"   "5419340"   "5419764"   "5431168"   "5472017"   "5477856"   "5484407"   "5507725"   "5531686"   "5531687"   "5603697"   "5611777"   "5636634"   "5676653"   "5702433"   "5820591"   "5843020"   "5855560"   "5857997"   "5876340"   "5876373"   "5882333"   "5897529"   "5908405"   "5916147"   "5935102"   "5938616"   "6030360"   "6059739"   "6066125"   "6083170"   "6146355"   "6213974"   "6491681"   "6544215"   "6991616").PN.	USPAT	OR	OFF	2006/09/28 16:03
S7	50	("5507725").URPN.	USPAT	OR	OFF	2006/09/28 17:13

S8	68	( "3470876"   "3524446"   "3625200"   "4456017"   "4601705"   "4738659"   "4787399"   "4930494"   "4934340"   "4998923"   "5003989"   "5108368"   "5114414"   "5135531"   "5170787"   "5271381"   "5279559"   "5308324"   "5315996"   "5318041"   "5318525"   "5322064"   "5327905"   "5330466"   "5358479"   "5368564"   "5370678"   "5383852"   "5383923"   "5389073"   "5391147"   "5437288"   "5441483"   "5480382"   "5484407"   "5489270"   "5507725"   "5545200"   "5558665"   "5562619"   "5571085"   "5597378"   "5603697"   "5611777"   "5617854"   "5619993"   "5642736"   "5645520"   "5656029"   "5662621"   "5674197"   "5676653"   "5715817"   "5755760"   "5807354"   "5820591"   "5865800"   "5882329"   "5891088"   "5916178"   "5931811"   "6002955"   "6033394"   "6045530"   "6066125"   "6110164"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 17:45
S9	37	( "3470876"   "3605725"   "3625200"   "4191196"   "4233991"   "4685457"   "4753223"   "4826087"   "4838859"   "4921482"   "4960134"   "4998916"   "5019090"   "5037391"   "5108368"   "5318525"   "5325845"   "5334145"   "5368564"   "5383923"   "5397304"   "5397321"   "5419767"   "5431168"   "5441483"   "5456664"   "5492119"   "5507725"   "5588964"   "5626136"   "5656029"   "5656030"   "5681280"   "5848986"   "Re34502").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 17:46

S10	63	("5441483").URPN.	USPAT	OR	OFF	2006/09/28 18:14
S11	1	("4934340").PN.	USPAT; USOCR	OR	OFF	2006/09/29 15:09
S12	1	("4934340").PN.	USPAT; USOCR	OR	OFF	2006/09/30 13:35
S13	21	("3043309"   "3605725"   "3674014"   "3729008"   "3773034"   "3890977"   "4033331"   "4146019"   "4176662"   "4456017"   "4543090"   "4586923"   "4601283"   "4601705"   "4742817"   "4753223"   "4758222"   "4790624"   "4799474").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/30 13:35
S14	128	("4586923").URPN.	USPAT	OR	OFF	2006/09/30 13:41
S15	62	("3470876"   "4586923"   "4664113"   "4719924"   "4723936"   "4757827"   "4898577"   "4906230"   "4920980"   "4934340"   "4960411"   "5030204"   "5114403"   "5114414"   "5125896"   "5199950"   "5231989"   "5318525"   "5336182"   "5342299"   "5363861"   "5368564"   "5381782"   "5391146"   "5395327"   "5409483"   "5419340"   "5419764"   "5431168"   "5472017"   "5477856"   "5484407"   "5507725"   "5531686"   "5531687"   "5603697"   "5611777"   "5636634"   "5676653"   "5690642"   "5702433"   "5820591"   "5843020"   "5855560"   "5857997"   "5876340"   "5876373"   "5882333"   "5897529"   "5908405"   "5916147"   "5935102"   "5938616"   "6030360"   "6059739"   "6066125"   "6083170"   "6146355"   "6213974"   "6491681"   "6544215").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/30 13:42

S16	37	("3470876"   "3605725"   "3625200"   "4191196"   "4233991"   "4685457"   "4753223"   "4826087"   "4838859"   "4921482"   "4960134"   "4998916"   "5019090"   "5037391"   "5108368"   "5318525"   "5325845"   "5334145"   "5368564"   "5383923"   "5397304"   "5397321"   "5419767"   "5431168"   "5441483"   "5456664"   "5492119"   "5507725"   "5588964"   "5626136"   "5656029"   "5656030"   "5681280"   "5848986"   "Re34502").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/30 14:10
S17	50	("5507725").URPN.	USPAT	OR	OFF	2006/09/30 14:39
S18	12	("5855560").URPN.	USPAT	OR	OFF	2006/09/30 15:05
S19	21	("3043309"   "3605725"   "3674014"   "3729008"   "3773034"   "3890977"   "4033331"   "4146019"   "4176662"   "4456017"   "4543090"   "4586923"   "4601283"   "4601705"   "4742817"   "4753223"   "4758222"   "4790624"   "4799474").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/30 15:44
S20	76	("4934340").URPN.	USPAT	OR	OFF	2006/09/30 15:45
S21	76	("4934340").URPN.	USPAT	OR	OFF	2006/09/30 15:46
S22	1	("6066125").PN.	USPAT; USOCR	OR	OFF	2006/09/30 15:46
S23	2	((("4934340") or ("6540778")).PN.	USPAT; USOCR	OR	OFF	2007/04/13 18:09

S24	133	("3043309"   "3605725"   "3657744"   "3674014"   "3729008"   "3773034"   "3890977"   "4033331"   "4140126"   "4146019"   "4176662"   "4214587"   "4456017"   "4543090"   "4560374"   "4562596"   "4577631"   "4586923"   "4601283"   "4601705"   "4723938"   "4742817"   "4753223"   "4758222"   "4787899"   "4790624"   "4799474"   "4830003"   "4848343"   "4875480"   "4909258"   "5078726"   "5104399"   "5108416"   "5129883"   "5158540"   "5167623"   "5192297"   "5201757"   "5219355"   "5221255"   "5275622"   "5344402"   "5456667"   "5464394"   "5489295"). PN. OR ("4934340"   "6540778").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/13 18:10
S25	1	("20060079925").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/14 13:36
S26	2	((("20060079925") or ("6905489")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/14 15:32
S27	1	("6309382").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/14 15:32
S28	39	catheter with (prevent\$3 with tear\$3)	USPAT	OR	ON	2007/09/18 14:59
S29	1	("6544215").PN.	USPAT; USOCR	OR	OFF	2007/09/18 14:39
S30	415	catheter and (prevent\$3 with tear\$3)	USPAT	OR	ON	2007/09/18 14:59
S31	376	S30 not S28	USPAT	OR	ON	2007/09/18 14:59

S32	62	("3470876"   "4586923"   "4664113"   "4719924"   "4723936"   "4757827"   "4898577"   "4906230"   "4920980"   "4934340"   "4960411"   "5030204"   "5114403"   "5114414"   "5125896"   "5199950"   "5231989"   "5318525"   "5336182"   "5342299"   "5363861"   "5368564"   "5381782"   "5391146"   "5395327"   "5409483"   "5419340"   "5419764"   "5431168"   "5472017"   "5477856"   "5484407"   "5507725"   "5531686"   "5531687"   "5603697"   "5611777"   "5636634"   "5676653"   "5690642"   "5702433"   "5820591"   "5843020"   "5855560"   "5857997"   "5876340"   "5876373"   "5882333"   "5897529"   "5908405"   "5916147"   "5935102"   "5938616"   "6030360"   "6059739"   "6066125"   "6083170"   "6146355"   "6213974"   "6491681"   "6544215").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/18 15:39
S33	4	S32 and tear\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/18 15:39
S34	12	("3612058"   "4763647"   "4920980"   "5001825"   "5106381"   "5231989"   "5238005"   "5255668"   "5336182"   "5363861"   "5431168"   "5497784"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/18 16:03
S35	29	("2498692"   "3470876"   "3500820"   "3521620"   "3528406"   "3605725"   "3625200"   "3773034"   "3934380"   "4582181"   "4586923"   "4641649"   "4643720"   "4719924"   "4740195"   "4758221"   "4838859"   "4886067"   "4921482"   "4944727"   "4985022"   "5037391"   "5055101").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 14:36

S36	43	("5336182").URPN.	USPAT	OR	OFF	2007/09/19 14:39
S37	9	((("5336182") or ("4920980") or ("4934340") or ("5507725") or ("6540778") or ("6450948") or ("5152748") or ("4790624") or ("6540778") or ("6066125")).PN.	USPAT; USOCR	OR	OFF	2008/04/10 18:38
S38	1	("6544215").PN.	USPAT; USOCR	OR	OFF	2008/04/10 18:38
S39	1	("5336182").PN.	USPAT; USOCR	OR	OFF	2008/04/10 21:57
S40	42	("0944830"   "1928992"   "2453862"   "3060972"   "4198960"   "4353358"   "4580551"   "4686963"   "4904048"   "4934340"   "5168864"   "5176126"   "5255668"   "5257618"   "5275151"   "5307803"   "5318041"   "5318526"   "5325845"   "5335647"   "5409453"   "5423807"   "5438975"   "5454787"   "5487757"   "5492119"   "5520222"   "5545200"   "5573010"   "5656011"   "5662606"   "5715817"   "5876373"   "5906590"   "5921915"   "5931811"   "5935102"   "6004263"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/10 22:48
S41	17	("0616672"   "0944830"   "3060972"   "3521620"   "4686963"   "5114402"   "5140975"   "5251538"   "5381782"   "5464404"   "5476090"   "5512035"   "5520222").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/10 22:51
S42	10	("5140975").URPN.	USPAT	OR	OFF	2008/04/10 22:53
S43	9	("5656011").URPN.	USPAT	OR	OFF	2008/04/10 22:57
S44	34	("5176126").URPN.	USPAT	OR	OFF	2008/04/10 23:02



S45	3	((("5345945") or ("5827278") or ("20060184107"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/11 00:07
S46	2	((("20080188800") or ("20080188801"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/05 16:19
S47	3	((("5336182") or ("5255668") or ("6450948"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/05 16:24
S48	42	("0944830"   "1928992"   "2453862"   "3060972"   "4198960"   "4353358"   "4580551"   "4686963"   "4904048"   "4934340"   "5168864"   "5176126"   "5255668"   "5257618"   "5275151"   "5307803"   "5318041"   "5318526"   "5325845"   "5335647"   "5409453"   "5423807"   "5438975"   "5454787"   "5487757"   "5492119"   "5520222"   "5545200"   "5573010"   "5656011"   "5662606"   "5715817"   "5876373"   "5906590"   "5921915"   "5931811"   "5935102"   "6004263").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/06 16:16
S49	17	("0616672"   "0944830"   "3060972"   "3521620"   "4686963"   "5114402"   "5140975"   "5251538"   "5381782"   "5464404"   "5476090"   "5512035"   "5520222").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/06 16:20
S50	3	("4998527"   "5018506"   "5058568").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/06 16:23
S51	3	("4794912"   "4890602"   "4893613").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/06 16:23
S52	15	("5018506").URPN.	USPAT	OR	OFF	2008/11/06 16:24
S53	15	("5018506").URPN.	USPAT	OR	OFF	2008/11/06 17:06

S54	52	("1060665"   "3043309"   "3419010"   "3452742"   "3521620"   "3539034"   "3547103"   "3605725"   "3674014"   "3729008"   "3773034"   "3868956"   "3890977"   "3943932"   "4020829"   "4033331"   "4146019"   "4176662"   "4182547"   "4307723"   "4351323"   "4427000"   "4456017"   "4543090"   "4582181"   "4586923"   "4601283"   "4601705"   "4616656"   "4641654"   "4643194"   "4665906"   "4676249"   "4742817"   "4748986"   "4753223"   "4758222"   "4776844"   "4790624"   "4799474"   "4808164"   "4822345"   "4873983"   "4884557"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/06 17:12
S55	94	("5114402").URPN.	USPAT	OR	OFF	2008/11/06 17:17
S56	22	("2498692"   "3044461"   "3162214"   "3266059"   "3470876"   "3669098"   "4150676"   "4245624"   "4329983"   "4353358"   "4586923"   "4589410"   "4643720"   "4898577"   "5114402"   "5231989"   "5255668").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/06 17:26
S57	48	("5306245").URPN.	USPAT	OR	OFF	2008/11/06 17:27
S58	22	("4033357"   "4136703"   "4488561"   "4506680"   "4572605"   "4676249"   "4727877"   "4815478"   "4922607"   "4940062"   "5040543"   "5115818"   "5125395"   "5170787"   "5282844"   "5306245"   "5327906"   "5378234"   "5473812"   "5662119"   "5728148"   "5728149"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/06 17:30
S59	80	("3060972").URPN.	USPAT	OR	OFF	2008/11/06 17:40

S60	11	("2748803"   "3060972"   "3583393"   "4108211"   "4580551"   "4686963"   "4834069"   "5005558"   "5106381").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/06 17:57
S61	34	("5176126").URPN.	USPAT	OR	OFF	2008/11/06 17:58
S62	66	("3521620"   "4886067"   "4921482"   "4979510"   "4998916"   "5037391"   "5106381"   "5108368"   "5125896"   "5176126"   "5195968"   "5217465"   "5228441"   "5231989"   "5254088"   "5255668"   "5273535"   "5299559"   "5314418"   "5315996"   "5318525"   "5318526"   "5322064"   "5325845"   "5327905"   "5328467"   "5329923"   "5334145"   "5336182"   "5358478"   "5358479"   "5363861"   "5372587"   "5381782"   "5383852"   "5383923"   "5395327"   "5431168"   "5454787"   "5478330"   "5487757"   "5489270"   "5496260"   "5507725"   "5531686"   "5545200"   "5599305"   "5642736"   "5674197"   "5676653"   "5687723"   "5755731"   "5755760"   "5782828"   "5797842"   "5810802"   "5827242"   "6033394"   "6045550"   "6049737"   "6063077"   "6142994"   "6146338"   "6163716"   "6208881").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/06 17:59
S63	9	("5702373"   "5795341"   "5827242"   "5843168"   "5846246"   "5849034"   "5868782"   "5868783"   "5891108").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/06 18:00
S64	7	("6033394").URPN.	USPAT	OR	OFF	2008/11/06 18:01

S65	35	("2498692"   "3470876"   "3500820"   "3521620"   "3528406"   "3605725"   "3625200"   "3773034"   "4273111"   "4543090"   "4582181"   "4586923"   "4641649"   "4643720"   "4719924"   "4723936"   "4740195"   "4758221"   "4826087"   "4838859"   "4886067"   "4921482"   "4934340"   "4934380"   "4944727"   "4984581"   "4985022"   "5037391"   "5055101").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/06 18:06
S66	50	("5395327").URPN.	USPAT	OR	OFF	2008/11/06 18:08
S67	28	("3920021"   "4548207"   "4674499"   "4784161"   "4848352"   "4960134"   "5125928"   "5277696"   "5363861"   "5395327"   "5398683"   "5456664"   "5531686"   "5582609"   "5718701"   "5782760"   "5810802"   "5836875"   "5891088"   "5967976"   "6001095"   "6033378"   "6064905"   "6134463"   "6379350"   "6405067"   "6477396"   "6922579"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/06 18:09
S68	62	("3470876"   "4586923"   "4664113"   "4719924"   "4723936"   "4757827"   "4898577"   "4906230"   "4920980"   "4934340"   "4960411"   "5030204"   "5114403"   "5114414"   "5125896"   "5199950"   "5231989"   "5318525"   "5336182"   "5342299"   "5363861"   "5368564"   "5381782"   "5391146"   "5395327"   "5409483"   "5419340"   "5419764"   "5431168"   "5472017"   "5477856"   "5484407"   "5507725"   "5531686"   "5531687"   "5603697"   "5611777"   "5636634"   "5676653"   "5690642"   "5702433"   "5820591"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/06 18:13

		"5843020"   "5855560"   "5857997"   "5876340"   "5876373"   "5882333"   "5897529"   "5908405"   "5916147"   "5935102"   "5938616"   "6030360"   "6059739"   "6066125"   "6083170"   "6146355"   "6213974"   "6491681"   "6544215").PN.				
S69	18	("2688329"   "4033331"   "4150676"   "4456017"   "4586923"   "4823805"   "4906230"   "4920980"   "5030204"   "5041085"   "5168864"   "5199950"   "5331948"   "5364352"   "5368564"   "5391146"   "5399164").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/06 18:18
S70	8	("3470876"   "3485234"   "4409993"   "4456017"   "4586932"   "4677990"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/06 18:19
S71	147	("4920980").URPN.	USPAT	OR	OFF	2008/11/06 18:20
S72	23	("1557958"   "3071942"   "3390546"   "3844137"   "4273111"   "4456017"   "4465482"   "4580551"   "4601713"   "4660571"   "4664113"   "4911148"   "4920980"   "4940062"   "4941455"   "4942866"   "4960134"   "4969890"   "4998923"   "5037391"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/06 18:26
S73	30	("5329923").URPN.	USPAT	OR	OFF	2008/11/06 18:29
S74	31	("5484407").URPN.	USPAT	OR	OFF	2008/11/06 18:32
S75	4	("6450948").URPN.	USPAT	OR	OFF	2008/11/07 14:27
S76	6	("4616631"   "4742817"   "5108368"   "5131407"   "5209735"   "5257618"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/07 14:35
S77	6	("3266059"   "4236509"   "4452236"   "4655257"   "4904048").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/07 14:47

S78	13	("5257618").URPN.	USPAT	OR	OFF	2008/11/07 14:48
S79	10	("5438975").URPN.	USPAT	OR	OFF	2008/11/07 14:53
S80	98	(("5288257") or ("5601572") or ("20060292964") or ("20080109029") or ("5580082") or ("4921482") or ("4934340") or ("5037391") or ("5203772") or ("5255749") or ("5277199") or ("5308324") or ("5318041") or ("5342299") or ("5368564") or ("5370617") or ("5372587") or ("5378234") or ("5415633") or ("5423311") or ("5437636") or ("5498231") or ("5507725") or ("5531687") or ("5549580") or ("5820592") or ("5846221") or ("5860953") or ("5868741") or ("5876399") or ("5888192") or ("5891137") or ("5916147") or ("6007531") or ("6017322") or ("6030360") or ("6078831") or ("6146355") or ("6196230") or ("6217528") or ("6217528") or ("6231585") or ("6234958") or ("6241726") or ("6261246") or ("6261304") or ("6387119") or ("6402723") or ("6409751") or	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/07 15:01

("6447444") or  
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("20030135156") or  
("20040118415") or  
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("20050020901") or  
("20050119615") or  
("20050131343") or  
("20050165276") or  
("20050215992") or  
("20050283135") or  
("20060074383") or  
("20060184107") or  
("20060217755") or  
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("5528845") or  
("5697934") or  
("5768957") or  
("6307161") or  
("6434283") or  
("20060241341") or  
("5365942") or  
("RE37148") or  
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("4582066") or  
("4756379")).PN.

S81	9	("5203772"   "5318526"   "5381782"   "5396880"   "5437636"   "5454787"   "5454794"   "5456664"   "5676653").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/07 15:06
S82	1	("5364352").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/07 15:08
S83	19	("5676653").URPN.	USPAT	OR	OFF	2008/11/07 15:09
S84	24	("3608612"   "3620883"   "3769158"   "4210323"   "4732162"   "4932939"   "4935008"   "5007903"   "5209734"   "5230348"   "5273527"   "5348541"   "5395327"   "5395328"   "5413560"   "5437632"   "5460614"   "5531703"   "5676653"   "5826576"   "5987344"   "6035224"   "6083170"   "6169916").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/07 15:10
S85	0	("6770038").URPN.	USPAT	OR	OFF	2008/11/07 15:11
S86	19	("5190050"   "5273535"   "5328467"   "5397321"   "5431168"   "5545200"   "5555618"   "5571073"   "5582609"   "5643255"   "5656029"   "5662606"   "5676653"   "5685868"   "5772641"   "5820591"   "5827278"   "5964757"   "6066125").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/07 15:13
S87	3	("6287301").URPN.	USPAT	OR	OFF	2008/11/07 15:16
S88	17	("3162214"   "3946727"   "3948251"   "4290421"   "4580551"   "4686963"   "4805595"   "4805596"   "4819634"   "4899787"   "4998923"   "5002041"   "5058568"   "5106381"   "5195968"   "5235964").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/07 15:18
S89	26	("5381782").URPN.	USPAT	OR	OFF	2008/11/07 15:19
S90	16	("6030360").URPN.	USPAT	OR	OFF	2008/11/07 15:23



S91	100	(("4669478") or ("4676249") or ("4748982") or ("4822345") or ("4909787") or ("5104377") or ("5360406") or ("5382238") or ("5391147") or ("5401244") or ("5449362") or ("5766203") or ("5944689") or ("6074351") or ("6078831") or ("6235026") or ("6261246") or ("6459921") or ("6529760") or ("6544215") or ("6564429") or ("6634533") or ("6821466") or ("6865841") or ("6929613") or ("6991616") or ("20010029337") or ("20020183671") or ("20030034372") or ("20030055422") or ("20030114744") or ("20030135156") or ("20030141624") or ("20040098900") or ("20040243212") or ("20050154254") or ("20050209578") or ("20060178720") or ("20070021771") or ("20070225661") or ("20070255209") or ("20080109005") or ("20080109022") or ("20080188800") or ("4917082") or ("5237703") or ("5267958") or ("5312360") or ("5364357") or ("5389073") or ("5423771") or ("5533967") or ("5571168") or ("5588964") or	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/07 15:47
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		("5733267") or ("5881508") or ("5954729") or ("6013085") or ("6014290") or ("6062510") or ("6162179") or ("6202256") or ("6206834") or ("6325813") or ("6446988") or ("6482162") or ("6551300") or ("6575911") or ("6656174") or ("6712807") or ("6743196") or ("6800065") or ("6805662") or ("6964667") or ("7052453") or ("7094246") or ("7272449") or ("7343206") or ("20020007530") or ("20020055746") or ("20020082600") or ("20020128596") or ("20020198526") or ("20030023200") or ("20030065373") or ("20030144576") or ("20030191491") or ("20030233115") or ("20040039372") or ("20040078057") or ("20040092973") or ("20040097865") or ("20040122501") or ("20040162460") or ("20040215193") or ("20040215305") or ("20040236390") or ("20050004627") or ("20050021052") or ("20050021119")).PN.				
S92	0	("2007/0021771").URPN.	USPAT	OR	OFF	2008/11/07 15:52
S93	5	("6508802").URPN.	USPAT	OR	OFF	2008/11/07 16:02

S94	130	("0510413"   "2402306"   "2498692"   "2512568"   "2551902"   "2670673"   "2688329"   "2700385"   "2952256"   "3435824"   "3467096"   "3487837"   "3530492"   "3572336"   "3595231"   "3765420"   "3783876"   "3797491"   "3826241"   "3831584"   "3920001"   "3951132"   "3991767"   "4150669"   "4167179"   "4168708"   "4222380"   "4230119"   "4243035"   "4245624"   "4280508"   "4299230"   "4356826"   "4419094"   "4578061"   "4645495"   "4674506"   "4721109"   "4753236"   "4760847"   "4787891"   "4798193"   "4838851"   "4861336"   "4877037"   "4919653"   "4932421"   "4940458"   "4946442"   "4946463"   "4966589"   "4976688"   "4994041"   "5036868"   "5037428"   "5080104"   "5098412"   "5121750"   "5146913"   "5147307"   "5192270"   "5192289"   "5195526"   "5254088"   "5259377"   "5261889"   "5269754"   "5273525"   "5290258"   "5312351"   "5322510"   "5323789"   "5335670"   "5336182"   "5354279"   "5364374"   "5376084"   "5380292"   "5395327"   "5417662"   "5417683"   "5425739"   "5441499"   "5464395"   "5478315"   "5478330"   "5520650"   "5522815"   "5531686"   "5536251"   "5569217"   "5569237"   "5611778"   "5673704"   "5674197"   "5713890"   "5810757"   "5820591"   "5820592"   "5827216"   "5845646"   "5846225"   "5868764"   "5882331"   "5997509"   "6027473"   "6033378"   "6120476"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/07 16:02
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		"6126633"   "6171277"   "6179809"   "6183463"   "6203525"   "6277107"   "6332880"   "6346099"). PN.				
S95	35	("2498692"   "3470876"   "3500820"   "3521620"   "3528406"   "3605725"   "3625200"   "3773034"   "4273111"   "4543090"   "4582181"   "4586923"   "4641649"   "4643720"   "4719924"   "4723936"   "4740195"   "4758221"   "4826087"   "4838859"   "4886067"   "4921482"   "4934340"   "4934380"   "4944727"   "4984581"   "4985022"   "5037391"   "5055101").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/07 16:06
S96	38	("5531686").URPN.	USPAT	OR	OFF	2008/11/07 16:11
S97	2	("5531686"   "5820591"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/07 16:17
S98	1	("6702780").URPN.	USPAT	OR	OFF	2008/11/07 16:18
S99	10	("4773395"   "4834069"   "4928669"   "5007908"   "5192280"   "5220911"   "5314466"   "5330470"   "5342357"   "5360428"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/07 16:42
S100	215	("5441499").URPN.	USPAT	OR	OFF	2008/11/07 16:49
S101	386	(604/95.04).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/07 17:14
S102	67	("3890977"   "4350148"   "4475905"   "4586923"   "4658817"   "4669465"   "4702260"   "4766906"   "4784133"   "4844062"   "4846171"   "4911148"   "4920980"   "4960134"   "4976710"   "5030204"   "5104393"   "5114402"   "5125896"   "5178158"   "5190050"   "5255679"   "5261889"   "5279596"   "5307803"   "5358479"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/08 11:46

		"5364352"   "5378234"   "5380316"   "5386837"   "5389096"   "5397304"   "5409453"   "5431168"   "5464394"   "5465717"   "5468233"   "5489270"   "5498238"   "5514128"   "5531685"   "5533967"   "5554114"   "5569220"   "5571073"   "5571151"   "5607421"   "5656029"   "5656030"   "5662622"   "5685853"   "5697916"   "5741320"   "5782824"   "5827278"   "5840059"   "5843076"   "5876373"   "5897529"   "5938653"   "5944690"   "5964757"   "5964971"   "5999678"   "6030371"   "6165188"   "RE34502").PN.				
S103	10	("6554794").URPN.	USPAT	OR	OFF	2008/11/08 12:14
S104	8	("3625200"   "3854473"   "4757827"   "4830023"   "4886067"   "4940062"   "4998916"   "5060660"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/08 12:31
S105	72	("5190050").URPN.	USPAT	OR	OFF	2008/11/08 12:31
S106	5	((("5507725") or ("6554794") or ("5336182") or ("5255668") or ("6450948")).PN.	USPAT; USOCR	OR	OFF	2008/11/08 14:13
S107	4	((("5255668") or ("6554794") or ("6450948") or ("5507725")).PN.	USPAT; USOCR	OR	OFF	2009/07/16 19:47
S108	4	("4686963"   "5002041"   "5106381"   "5176126"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/16 20:04
S109	30	("4686963").URPN.	USPAT	OR	OFF	2009/07/16 20:37
S110	3	("4236509"   "4580551"   "4659195").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/16 20:50
S111	14	("5106381").URPN.	USPAT	OR	OFF	2009/07/16 20:50

S112	12	("3612058"   "4763647"   "4920980"   "5001825"   "5106381"   "5231989"   "5238005"   "5255668"   "5336182"   "5363861"   "5431168"   "5497784"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/16 20:52
S113	16	("5855560").URPN.	USPAT	OR	OFF	2009/07/16 20:55
S114	31	("3625200"   "3854473"   "4169464"   "4474174"   "4757827"   "4799496"   "4830023"   "4886067"   "4940062"   "4955382"   "4979510"   "4998916"   "5030204"   "5060660"   "5114402"   "5190050"   "5254088"   "5257451"   "5269757"   "5273535"   "5275162"   "5281212"   "5281217"   "5293869"   "5308910"   "5313943"   "5314466"   "5318525"   "5358479"   "5368564"   "5472017").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/17 13:53
S115	6	("4169464"   "4474174"   "5114402"   "5190050"   "5254088"   "5269757"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/17 13:54
S116	52	("1060665"   "3043309"   "3419010"   "3452742"   "3521620"   "3539034"   "3547103"   "3605725"   "3674014"   "3729008"   "3773034"   "3868956"   "3890977"   "3943932"   "4020829"   "4033331"   "4146019"   "4176662"   "4182547"   "4307723"   "4351323"   "4427000"   "4456017"   "4543090"   "4582181"   "4586923"   "4601283"   "4601705"   "4616656"   "4641654"   "4643194"   "4665906"   "4676249"   "4742817"   "4748986"   "4753223"   "4758222"   "4776844"   "4790624"   "4799474"   "4808164"   "4822345"   "4873983"   "4884557"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/17 13:57

S117	5	("3890977"   "4205293"   "4531988"   "4601283"   "4620769").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/17 14:00
S118	56	("4790624").URPN.	USPAT	OR	OFF	2009/07/17 14:01
S119	25	("3890977"   "4516972"   "4586923"   "4658817"   "4669465"   "4757827"   "4790624"   "4798598"   "4846171"   "5104393"   "5114402"   "5190050"   "5255679"   "5318528"   "5358479"   "5380316"   "5389096"   "5397321"   "5465717"   "5549601"   "5571085"   "5730741"   "5876373"   "5964757"   "6126654").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/17 15:09
S120	4	("6530913").URPN.	USPAT	OR	OFF	2009/07/17 15:13
S121	17	("3799151"   "4236509"   "4753223"   "4758222"   "4776844"   "4790624"   "4890602"   "4930494"   "4967732"   "4976191"   "5125143"   "5140975"   "5179934"   "5325845"   "5452395"   "5482029"   "5531664").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/17 15:18
S122	24	("3043309"   "3162214"   "3605725"   "3674014"   "3773034"   "3890977"   "3938502"   "4037411"   "4142531"   "4146019"   "4176662"   "4327711"   "4329980"   "4411655"   "4503676"   "4503842"   "4543090"   "4556050"   "4559951"   "4601283"   "4643202").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/17 15:50
S123	173	("4753223").URPN.	USPAT	OR	OFF	2009/07/17 15:54

S124	21	("4723936"   "4753223"   "4960134"   "4998916"   "5098431"   "5190050"   "5263493"   "5295484"   "5313943"   "5358479"   "5368564"   "5389073"   "5395327"   "5397321"   "5409000"   "5487757"   "5531686"   "5545200"   "5582609"   "5617854"   "5653684").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/17 16:54
S125	114	("5782828").URPN.	USPAT	OR	OFF	2009/07/17 16:56
S126	8	("3071161"   "3253524"   "3572325"   "3605725"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/18 09:42
S127	52	("3799151").URPN.	USPAT	OR	OFF	2009/07/18 09:43
S128	10	("3270641"   "3557780"   "3799151"   "4790294"   "4873965"   "5005558"   "5105819"   "5220911"   "5271381").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/18 09:45
S129	17	("5873817").URPN.	USPAT	OR	OFF	2009/07/18 09:46
S130	18	("3270641"   "3485237"   "3605725"   "3665928"   "3799151"   "4066070"   "4207872"   "4245624"   "4280500"   "4389208"   "4403985"   "4447227"   "4563181"   "4586923"   "4643720").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/18 10:35
S131	62	("4906230").URPN.	USPAT	OR	OFF	2009/07/18 10:37
S132	35	("4586923"   "4748969"   "4898577"   "4906230"   "4920980"   "4960134"   "5114414"   "5190050"   "5242441"   "5318525"   "5318526"   "5327905"   "5334169"   "5354297"   "5368564"   "5431168"   "5462527"   "5472017"   "5487757"   "5489270"   "5545200"   "5562619"   "5571085"   "5624397"   "5642736"   "5662606"   "5702373"   "5807249"   "5820592"   "5823955"   "5882333"   "5891114"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/18 10:50



		"5897529"   "5951539"   "5971975").PN.				
S133	26	("3253524"   "3470876"   "3521620"   "4329980"   "4350147"   "4353358"   "4425919"   "4576772"   "4580551"   "4726355"   "4773395"   "4805596"   "4834069"   "4850351"   "4873965"   "4898577"   "4919112"   "5030204"   "5125395"   "5125896"   "5167221"   "5168864"   "5176660").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/18 11:44
S134	19	("5318526").URPN.	USPAT	OR	OFF	2009/07/18 11:54
S135	295	(604/95.01).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/18 13:12
S136	0	("2008/0188800").URPN.	USPAT	OR	OFF	2009/07/18 13:18
S137	65	("20060184107"   "3470876"   "4586923"   "4664113"   "4719924"   "4723936"   "4757827"   "4898577"   "4906230"   "4920980"   "4934340"   "4960411"   "5030204"   "5114403"   "5114414"   "5125896"   "5199950"   "5231989"   "5318525"   "5336182"   "5342299"   "5345945"   "5363861"   "5368564"   "5381782"   "5391146"   "5395327"   "5409483"   "5419340"   "5419764"   "5431168"   "5472017"   "5477856"   "5484407"   "5507725"   "5531686"   "5531687"   "5603697"   "5611777"   "5636634"   "5676653"   "5690642"   "5702433"   "5820591"   "5827278"   "5843020"   "5855560"   "5857997"   "5876340"   "5876373"   "5882333"   "5897529"   "5908405"   "5916147"   "5935102"   "5938616"   "6030360"   "6059739"   "6066125"   "6083170"   "6146355"	US-PGPUB; USPAT	OR	OFF	2009/07/18 13:23

		"6213974"   "6491681"   "6544215"   "6991616"). PN.				
S138	1	("6554794").PN.	USPAT; USOCR	OR	OFF	2009/07/18 14:27
S139	2	((("6450948") or ("5507725")).PN.	USPAT; USOCR	OR	OFF	2009/07/18 15:10

**7/ 19/ 2009 3:08:08 PM**

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